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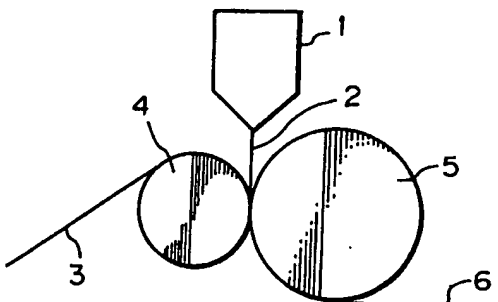
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(54) **Production of breathing composite.**

(57) Breathing composite sheet can be produced from a thermoplastic resin (2) and a porous substrate (3), such as a nonwoven fabric sheet, by extrusion-laminating technique using a specified cooling roll (5), the surface of which has been at least partly modified with a covering material (7) having specified ranges of thermal conductivity and hardness properties. The extruded molten thermoplastic film (2) carried on the porous substrate (3) is effectively perforated at the modified surface of the cooling roll (5) so as to give a breathing composite sheet.

Fig. 1**EP 0 395 381 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 90 30 4454

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-4 377 544 (RASMUSSEN) * Column 4, lines 36-62; column 5, lines 1-8; figures 2,3 * ---	1-3	B 32 B 31/00 B 32 B 27/12 B 29 C 59/04
A	DATABASE WPI, no. 76-52935X (28); & JP-A-51 060 250 (KEIWA SHOKO) 27-05-1976 ---	1-3	
A	EP-A-0 209 713 (UNILEVER) * Claim 1; figure 1 * ---	1-3	
A	EP-A-0 140 623 (SEARS MANUFACTURING) * Claim 1 * -----	1-3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 32 B B 26 F B 29 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-10-1991	Examiner ATTALLA G.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.
- namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

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- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.
- namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims: 1-3



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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-3 : Method for manufacturing a previous laminated sheet.
2. Claims 4-8 : Previous laminated sheet not necessarily obtained by such method.